

Notice of Allowability

Application No.

09/973,593

Examiner

BINH K. TIEU

Applicant(s)

PIAZZA, FRANCESCO

Art Unit

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 1/3/05.
2. ☒ The allowed claim(s) is/are 1-3 and 6-25.
3. ☒ The drawings filed on 09 October 2001 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-3 and 6-25 are allowed.
2. The following is an examiner's statement of reasons for allowance:

The Applicant's invention was drawn to a method and system for storing settings of the receiver section, e.g. the control voltage of a VCO in a PLL in a cellular phone in order to preserve energy in radio frequency receivers by switching the receiver section, e.g., amplifier, oscillator, etc. "off" position. In the prior art systems, settings of the receiver section in receivers are usually lost during power-off periods.

Dacus et al. (U.S. Pat. #: 6,223,061), cited in the first Office Action and discussed in the Interview on 12/7/2004, teaches a voltage controlled oscillator is not switched off even the cellular phone is in power-off mode (see Dacus Patent on col.9, lines 18-35 and col.10, lines 53+ and Interview summary).

New found reference, such as Nagashima (U.S. Pat. 6,532,357), Ichikawa (U.S. Pat. #: 6,532,357) and Tam et al. (U.S. Pat. #: 5,201,063) each teaches related subject matters.

Nagashima teaches power saving method and apparatus for implement in a radio base station, not in a receiver of a mobile phone.

Ichikawa teaches first and second variable power amplifiers wherein either power amplifiers are switched on and off under the control of a switch control section 25 as shown in figure 1.

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Tam et al. teaches a setting of electronic circuits in a radio telephone that adjust power, gain, etc. to the radio telephone during initial manufacture or its servicing, and stored such settings in the radio telephone memory.

Therefore, the above references as well as and other cited prior art of record fails to clearly teach or fairly suggest a method and system for storing settings of the receiver section, e.g. the control voltage, into a capacitor during switching off of amplifier, oscillator, automatic gain control (AGC), etc. for power off periods, as substantially described and connected to all independent claims 1, 13, 15 and 20.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh K. Tieu whose telephone number is (571) 272-7510 and E-mail address: BINH.TIEU@USPTO.GOV.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz, can be reached on (571) 272-7499 and **IF PAPER HAS BEEN MISSED FROM THIS OFFICIAL ACTION PACKAGE, PLEASE CALL Customer Service at (703) 306-0377 FOR THE SUBSTITUTIONS OR COPIES.**

Any response to this action should be mailed to:
Commissioner of Patents and Trademarks
Washington, D.C. 20231
Or faxed to:

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(703) 872-9314

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the FAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "Binh Tieu", with a stylized flourish at the end.

BINH TIEU
PRIMARY EXAMINER

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Date: May 05, 2005